

What Is Claimed Is:

1. A combined splint and cast for immobilizing the injured body part due to fracture, ligament rupture, dislocation or the like, the combined splint and cast
5 comprising:

a hand fixing member including a dorsum manus member for wrapping the back of the hand and the wrist and a palm member for supporting a palm of the hand, the dorsum manus and palm members forming a pair;

10 a connecting member including right and left connecting members which form a pair for wrapping the region from the wrist to below the elbow; and

an elbow fixing member for immobilizing the region from the elbow to the middle portion of the humerus,

15 wherein the hand fixing member, the connecting member and the elbow fixing members are used separately or cooperatively by being fastened with bolts.

2. The combined splint and cast as defined in claim 1, wherein the hand fixing member, the connecting member and the elbow fixing member are injection molded.

20 3. The combined splint and cast as defined in claim 1, wherein the hand fixing member includes:

a dorsum manus member having a dorsum manus plate of a shape substantially identical to the back side of the hand for wrapping the back side of the hand and an extension extended from one end of the dorsum manus to a wrist
25 part for being closely contacted by the wrist;

a buffering material arranged in the inner face of the dorsum manus

member for wrapping the back side of the hand;

a plurality of bolt holes formed in the inner face of the extension, wherein one end of the connecting member is in close contact with the inner face of the extension and the hand fixing member is coupled to the connecting member with
5 bolts inserted through the bolt holes;

a plurality of holes formed in the upper and lower portions of the front and rear ends of the dorsum manus plate; and

a fastener tape with one end fixed to any one of the holes and the other end fixed to the palm member for adjusting the contact condition between the dorsum
10 manus member and the palm member.

4. The combined splint and cast as defined in claim 3, wherein the dorsum manus member has a support projected from the upper portion of the dorsum manus plate in which the thumb is seated for immobilizing the thumb in
15 case of fracture in scaphoid bone.

5. The combined splint and cast as defined in claim 1 or 3, wherein the palm member is configured in a planar form for immobilizing the palm, and includes:

20 a buffering material arranged in the inner face of the palm member for smoothly wrapping the palm;

a plurality of ventilation holes formed at opposite lateral sides of the palm member for allowing air circulation; and

holes formed in the upper and lower portions of the palm member for
25 allowing the other end of the fastener tape which is fixed to the dorsum manus member to be inserted therethrough.

6. The combined splint and cast as defined in claim 1, wherein the connecting member is formed of substantially identical left and right connecting members for wrapping both lateral sides of the arm from the wrist to below the elbow, and includes:

a buffering material arranged in the inner face of the connecting member;

a plurality of bolt holes formed in the inner peripheries of the front and rear portions at equal intervals for allowing length adjustment such that the connecting member is coupled to the dorsum manus member with bolts inserted through the bolt holes;

a plurality of ventilation holes formed at opposite lateral sides thereof in a longitudinal direction in the inner face thereof;

a plurality of holes formed in the upper portions of the front and rear ends of the left and right connecting members; and

a fastener tape with one end fixed to any one of the holes and the other end inserted into a remaining one of the holes for securely wrapping radius and ulna parts.

7. The combined splint and cast as defined in claim 1, wherein the elbow fixing member includes:

a horizontal wall in which the elbow is seated;

a vertical wall bent from the horizontal wall for wrapping the region from the elbow to the middle portion of the humerus;

a buffering material arranged in the inner face thereof;

a plurality of bolt holes formed in the inner peripheral surface of a leading end of the horizontal wall such that the ankle fixing member is coupled to the rear

end of the connecting member with bolts inserted through the bolts holes;

a plurality of holes formed in the upper portions of the horizontal and vertical walls; and

a fastener tape with one end fixed to any one of the holes and the other end
5 coupled with an opposed one of the holes for securely immobilizing the elbow and the humerus.